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09/185,732
Sheet 1 (A) of 3SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 09125/001001

~~SERIAL NO. 08/201,473~~
~~PATENT NO. 5,583,114~~INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANTS/PATENTEES Thomas H. Barrows et al.

FILING DATE July 27, 1994
ISSUE DATE December 10, 1996

GROUP 1654

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JRL	AA	2	4	8	5	5	1	2	10/18/49	Rose	18	57	
JRL	AB	2	5	4	1	8	0	4	02/13/51	Wormell	18	54	
JRL	AC	2	7	1	2	6	7	2	07/12/55	Calcagno	18	48	
JRL	AD	2	8	9	7	5	4	7	08/04/59	Welngand	18	57	
JRL	AE	3	2	7	1	4	9	6	09/06/66	Michaels	264	232	
JRL	AF	4	3	3	9	2	9	5	07/13/82	Boretos et al.	161	823	
JRL	AG	4	4	3	9	3	2	2	03/27/84	Somoda et al.	210	500.2	
JRL	AH	4	8	1	4	1	2	0	03/21/89	Huc et al.	264	28	
JRL	AI	4	9	9	7	4	4	3	03/05/91	Walthall et al.	623	11	
JRL	AJ	5	1	4	9	5	4	3	09/22/92	Cohen et al.	424	499	
JRL	AK	5	2	0	9	7	7	6	05/11/93	Bass et al.	106	124	
JRL	AL	5	2	3	2	9	8	4	08/03/93	Hubbell et al.	525	54.1	
JRL	AM	5	2	3	5	0	4	1	08/10/93	Cappello et al.	530	353	
JRL	AN	5	2	6	4	2	1	4	11/23/93	Rhee et al.	424	422	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JRL	AO	EP 0 225 162 B1	06/10/87	EPO				
JRL	AP	EP 0 454 373 A2	10/30/91	EPO				

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

JRL	AQ	Abdella et al., "A New Cleavable Reagent for Cross-Linking and Reversible Immobilization of Proteins,"
		Biochem. and Biophys. Res. Commun., 87(3):734-742, 1979
JRL	AR	Boyce et al., "Delviery and Activity of Antimicrobial Drugs Released from Human Fibrin Sealant," J. Burn
		Care & Rehab., 15(3):251-255, 1994
JRL	AS	Bray and Merrill, "Poly(vinyl alcohol) Hydrogels for Synthetic Articular Cartilage Material," J. Biomed.
		Mater. Res., 7:431-443, 1973
JRL	AT	D'Urso and Fortier, "New Bioartificial Polymeric Material: Poly(ethylene glycol) Cross-Linked with Albumin.
		1. Synthesis and Swelling Properties," J. Bioactive & Compatible Polymers, 9:367-387, 1994

EXAMINER

Jeffrey E. Russell

DATE CONSIDERED

April 6, 1997

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SUBSTITUTE FORM PTO-1449
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JR	BA	5	2	7	8	0	6	3	01/11/94	Hubbell et al.	435	240.243	
JR	BB	5	2	9	2	8	0	2	03/08/94	Rhee et al.	525	54.1	
JR	BC	5	3	0	6	5	0	0	04/26/94	Rhee et al.	424	422	
JR	BD	5	3	2	8	9	5	5	07/12/94	Rhee et al.	525	54.1	
JR	BE	5	3	3	0	9	1	1	07/19/94	Hubbell et al.	435	240.243	
JR	BF	5	3	7	6	3	7	5	12/27/94	Rhee et al.	424	423	
JR	BG	5	3	8	0	5	3	6	01/10/95	Hubbell et al.	424	497	
JR	BH	5	4	1	0	0	1	6	04/25/95	Hubbell et al.	528	354	
JR	BI	5	4	1	3	7	9	1	05/09/95	Rhee et al.	424	422	
JR	BJ	5	4	4	6	0	9	1	08/29/95	Rhee et al.	525	54.1	
JR	BK	5	4	6	2	9	9	0	10/31/95	Hubbell et al.	525	54.1	
JR	BL	5	4	6	8	5	0	5	11/21/95	Hubbell et al.	424	484	

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							YES	NO
	BM							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

JR	BN	D'Urso and Fortier, "New Hydrogel Based on Polyethylene Glycol Cross-Linked with Bovine Serum Albumin," <i>Biotech. Techniques</i> , 8(2):71-76, 1994
JR	BO	Kamath and Park, "Biodegradable hydrogels in drug delivery," <i>Advanced Drug Delivery Reviews</i> , 11:59-84, 1993
JR	BP	Kubota et al., "Studies on the Clinical Use of Mixed Hydroxyapatite and Fibrin Adhesive in Facial Bone Augmentation," Elsevier Science Publishers, <i>Plastic Surgery</i> , 11:475-477, 1992
	BQ	
JR	BR	Senderoff et al., "Fibrin Based Drug Delivery Systems," <i>J. Parenteral Sci. & Tech.</i> , 45(1):2-6, 1991
JR	BS	Nalbandian et al., "Pluronic F-127 gel preparation as an artificial skin in the treatment of third-degree burns in pigs," <i>J. Biomed. Mat. Res.</i> , 21:1135-1148, 1987

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ATTY. DOCKET NO. 0912001001

SERIAL NO. ~~08/281,473~~
PATENT NO. 5,583,114

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U.S. PATENT DOCUMENTS

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JER	CA	5	4	7	5	0	5	2	12/12/95	Rhee et al.	525	54.1	
JER	CB	5	4	9	6	7	1	2	03/05/96	Cappello et al.	435	69.1	
JER	CC	5	5	2	7	8	5	6	06/18/96	Rhee et al.	525	54.1	
JER	CD	5	5	2	9	9	1	4	06/25/96	Hubbell et al.	435	182	
JER	CE	5	5	4	3	4	4	1	08/06/96	Rhee et al.	523	105	
JER	CF	5	5	5	0	1	8	7	08/27/96	Rhee et al.	525	54.1	
JER	CG	5	5	6	5	5	1	9	10/15/96	Rhee et al.	525	54.1	
JER	CH	5	5	6	7	4	3	5	10/22/96	Hubbell et al.	424	426	
JER	CI	5	5	6	7	4	4	0	10/22/96	Hubbell et al.	424	484	
JER	CJ	5	5	7	3	9	3	4	11/12/96	Hubbell et al.	435	177	
JER	CK	5	6	1	4	5	8	7	03/25/97	Rhee et al.	525	54.1	
JER	CL	5	6	2	6	8	6	3	05/06/97	Hubbell et al.	424	426	
JER	CM	5	6	2	7	2	3	3	05/06/97	Hubbell et al.	525	54.1	
JER	CN	5	6	6	2	7	1	2	09/02/97	Pathak et al.	623	12	

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							YES	NO
	CO							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

JER	CP		Sierra et al., "Fibrin-Collagen Adhesive Drug Delivery," 19th Annl. Mtg. Soc. for Biomaterials, Birmingham, AL, 1993					
JER	CQ		Wujek et al., "A Carbohydrate Polymer that Effectively Prevents Epidural Fibrosis at Laminectomy Sites in the Rat," <i>Exper. Neurol.</i> , 114:237-245, 1991					
	CR							
	CS							

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))		APPLICANTS/PATENTEES Thomas H. Barrows et al.	
		FILING DATE July 27, 1994 ISSUE DATE December 10, 1996	GROUP 1657

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	CLASS	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JRL	AA	2 6 8 8 6 1 0	09/1954	Elins et al.	260	117	
JRL	AB	4 1 0 1 3 8 0	07/1978	Rubinstein et al.	530	350	
JRL	AC	4 1 6 3 0 9 7	07/1979	Baumann et al.	525	531	
JRL	AD	4 3 5 6 8 1 9	11/1982	Potaczek	128	156	
JRL	AE	4 4 1 6 8 1 4	11/1983	Battista	260	117	
JRL	AF	4 6 7 0 4 1 7	06/1987	Iwasaki et al.	514	6	
JRL	AG	4 6 9 2 4 6 2	09/1987	Banerjee	514	449	
JRL	AH	4 8 3 9 3 4 5	06/1989	Doi et al.	514	21	
JRL	AI	4 8 5 1 5 1 3	07/1989	Devore et al.	530	356	
JRL	AJ	5 1 6 2 4 3 0	11/1992	Rhee et al.	525	54.1	
JRL	AK	5 3 8 5 6 0 6	01/1995	Kowanko	106	124	

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EXAMINER INITIAL	CLASS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JRL	AL	EP 0194807 A3	09/1986	EPO				
JRL	AM	FR 2551660	03/1985	France				
JRL	AN	WP 90/13540	11/1990	WIPO				
JRL	AO	WP 92/02238	02/1992	WIPO				
JRL	AP	WP 94/03155	02/1994	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

JRL	AQ	Abdella et al., "A New Cleavable Reagent for Cross-Linking and Reversible Immobilization of Proteins,"
		Biochem. Methods, ^{Chemical} Abstract, 91:16228v, 1979
JRL	AR	Abuchowshi et al., "Two Component Fibrin Sealant Tissue Kit Brochure," J. Biol. Chem., 252(11):3578-3581, 1977
JRL	AS	D'Urso et al., "New Hydrogel Based on Polyethylene Glycol Cross-Linked with Bovine Serum Albumin,"
		Biotechnology Techniques, 8(2):71-76, 1994
JRL	AT	Kalman et al., "Synthesis of a Gene for Human Serum Albumin and Its Expression in Saccharomyces cerevisiae,"
		Nucleic Acids Research, 18(20):6075-6081, 1990

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	BA						
	BB						
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	BD						
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	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						

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							YES	NO
	BL							
	BM							
	BN							
	BO							
	BP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

JR	BQ	Sijmons et al., "Production of Correctly Processed Human Serum Albumin in Transgenic Plants," <i>Bio/Technology</i>
		8:217-221, 1990
JR	BR	Sleep et al., "The Secretion of Human Serum Albumin from the Yeast <i>Saccharomyces cerevisiae</i> Using Five
		Different Leader Sequences," <i>Bio/Technology</i> , 8:42-46, 1990
JR	BS	Quirk et al., "Production of Recombinant Human Serum Albumin from <i>Saccharomyces cerevisiae</i> ," <i>Biotechnology</i>
		and Applied Biochemistry, 11:273-287, 1989
JR	BT	Two-Component Fibrin Sealant Tisseel® Kit Brochure (not dated)

EXAMINER

Jeffrey E. Russe

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